SEQUENCE LISTING

<110> WUCHERPFENNIG, KAI SETH, NILUFER <120> NOVEL COMPOSITIONS AND METHODS FOR THE GENERATION OF MHC CLASS II COMPOUNDS BY PEPTIDE EXCHANGE <130> DFS-044.01 <140> 10/617,568 <141> 2003-07-11 <150> 60/395,494 <151> 2002-07-12 <150> 60/397,893 <151> 2002-07-22 <160> 36 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 15 <212> PRT <213> Homo sapiens <400> 1 Pro Val Ser Lys Met Arg Met Ala Thr Pro Leu Leu Met Gln Ala 10 <210> 2 <211> 13 <212> PRT <213> Homo sapiens <400> 2 Ala Ala Met Ala Ala Ala Ala Ala Ala Met Ala Ala 5 <210> 3 <211> 13 <212> PRT <213> Homo sapiens <400> 3 Ala Ala Met Ala Ala Ala Ala Ala Ala Ala Ala Ala 5 10

<210> 4 <211> 13

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<400> 4
Ala Ala Phe Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5
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<211> 13
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<213> Homo sapiens
<400> 5
Ala Ser Met Ser Ala Ala Ser Ala Ala Ser Met Ala Ala
               5
<210> 6
<211> 15
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Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His Glu
1 5
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<213> Homo sapiens
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Gly Gly Ser Gly Gly Ser
<210> 8
<211> 19
<212> PRT
<213> Homo sapiens
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Cys Gly Gly Pro Val Ser Lys Met Arg Met Ala Thr Pro Leu Leu
               5
                              10
Met Gln Ala
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<212> PRT
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Cys Gly Gly Gro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala
1
                                  10
Thr
<210> 10
<211> 13
<212> PRT
<213> Homo sapiens
<400> 10
Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val
1 5
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<211> 13
<212> PRT
<213> Homo sapiens
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Leu Asn Lys Ile Val Arg Met Tyr Ser Pro Thr Ser Ile
<210> 12
<211> 14
<212> PRT
<213> Homo sapiens
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Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly
               5
<210> 13
<211> 14
<212> PRT
<213> Homo sapiens
<400> 13
Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln Ala Ser Gln
               5
<210> 14
<211> 15
<212> PRT
<213> Homo sapiens
<400> 14
Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile Pro Val Gly
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<212> PRT
<213> Homo sapiens
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Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr
1 5
<210> 16
<211> 16
<212> PRT
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Trp Asn Arg Gln Leu Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp
                                  10
<210> 17
<211> 16
<212> PRT
<213> Homo sapiens
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Asp Val Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His
<210> 18
<211> 15
<212> PRT
<213> Homo sapiens
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Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro
                                   10
<210> 19
<211> 15
<212> PRT
<213> Homo sapiens
<400> 19
Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr Leu
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<210> 20
<211> 19
<212> PRT
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<213> Homo sapiens

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Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln Ala Thr Val Cys
Ala Arg Ala
<210> 21
<211> 21
<212> PRT
<213> Homo sapiens
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Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro Gly Asn Pro
                5
                                    10
Ala Ile Ala Ser Leu
            20
<210> 22
<211> 17
<212> PRT
<213> Homo sapiens
<400> 22
Val Ser Ser Val Ser Ser Gln Phe Ser Asp Ala Ala Gln Ala Ser Pro
               5
                                   10
Ser
<210> 23
<211> 18
<212> PRT
<213> Homo sapiens
Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys
1
                5
                                   10
                                                         15
Arg Gly
<210> 24
<211> 14
<212> PRT
<213> Homo sapiens
<400> 24
Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys
                5
                                    10
<210> 25
<211> 17
<212> PRT
<213> Homo sapiens
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<400> 25
Val Asn Phe Phe Arg Met Val Ile Ser Asn Pro Ala Ala Thr His Gln
1
               5
Asp
<210> 26
<211> 15
<212> PRT
<213> Homo sapiens
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Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg
                                10
<210> 27
<211> 15
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Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro
            5
<210> 28
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Leu Tyr Gly Ala Leu Leu Ala Glu Gly Phe Tyr Thr Thr Gly Ala
                                  10
Val Arg Gln Ile
<210> 29
<211> 20
<212> PRT
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Phe Tyr Thr Thr Gly Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr
Thr Ile Cys Gly
           20
<210> 30
<211> 23
<212> PRT
<213> Homo sapiens
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Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr Thr Ile Cys Gly Lys
                                  10
Gly Leu Ser Ala Thr Val Thr
           20
<210> 31
<211> 20
<212> PRT
<213> Homo sapiens
<400> 31
Ala Val Pro Val Tyr Ile Tyr Phe Asn Thr Trp Thr Thr Cys Gln Ser
1
                5
                                   10
Ile Ala Phe Pro
            20
<210> 32
<211> 19
<212> PRT
<213> Homo sapiens
<400> 32
Ile Ala Ala Thr Tyr Asn Phe Ala Val Leu Lys Leu Met Gly Arg Gly
            5
                                  10
Thr Lys Phe
<210> 33
<211> 19
<212> PRT
<213> Homo sapiens
Gln Phe Arg Val Ile Gly Pro Arg His Pro Ile Arg Ala Leu Val Gly
1
                5
                                                       15
Asp Glu Val
<210> 34
<211> 20
<212> PRT
<213> Homo sapiens
<400> 34
Gly Lys Asn Ala Thr Gly Met Glu Val Gly Trp Tyr Arg Pro Pro Phe
Ser Arg Val Val
            20
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<210> 35
<211> 20
<212> PRT
<213> Homo sapiens
<400> 35
Trp Tyr Arg Pro Pro Phe Ser Arg Val Val His Leu Tyr Arg Asn Gly
                                10
Lys Asp Gln Asp
<210> 36
<211> 13
<212> PRT
<213> Artificial Sequence
<220>
<223> Synthetic Peptide
<220>
<221> MOD RES
<222> (3)
<223> Xaa = Any Amino Acid
<220>
<221> MOD RES
<222> (11)
<223> Xaa = Any Amino Acid
Ala Ala Xaa Ala Ala Ala Ala Ala Ala Xaa Ala Ala
1
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